

Abstract of the Disclosure

**HIGH-FIBER-DENSITY CABLE WITH BUFFER CELLS SHAPED AS
SKEWED RADIAL SECTORS**

A fiber optic cable having skewed partitions is provided. Specifically, the fiber optic cable has a jacket, having an interior surface and exterior surface. A core element is centrally located within the jacket. Partitions extend from the core element to the interior surface in a skewed manner, thereby creating buffer cells within the fiber optic cable. A plurality of fiber ribbons and/or optic fibers may be housed within the buffer cells. The buffer cells ability to rotate and move the fibers sideways under crushing loads help protect the optic fibers and fiber ribbons from being crushed. Furthermore, the buffer cells provide a unique and optimal packaging configuration for high-fiber density cables.

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